

General Information

The PX12 is an on-time/off-time timer which cycles continuously. It is designed primarily for water treatment applications, and is used most commonly with metering pumps and other fluid handling devices. Housed in a splashproof non-metallic enclosure, it can be mounted on a wall or inside a panel. Time setting is digital, by DIP switches under the clear front cover. On-time and off-time are set independently, giving a minimum cycle of two seconds and a maximum of over four hours.

Specifications

| | |
|--------------------------|--------------------------------------|
| Power | 115 VAC |
| On Time Range | 1 second - 127 minutes |
| Off Time Range | 1 second - 127 minutes |
| Minimum Increment | |
| 1-127 seconds | one second |
| 127 seconds + | one minute |
| Enclosure | Polycarbonate, glass filled, 5x5" |
| Relays | 5 Amp res., 1/4 HP ind. |

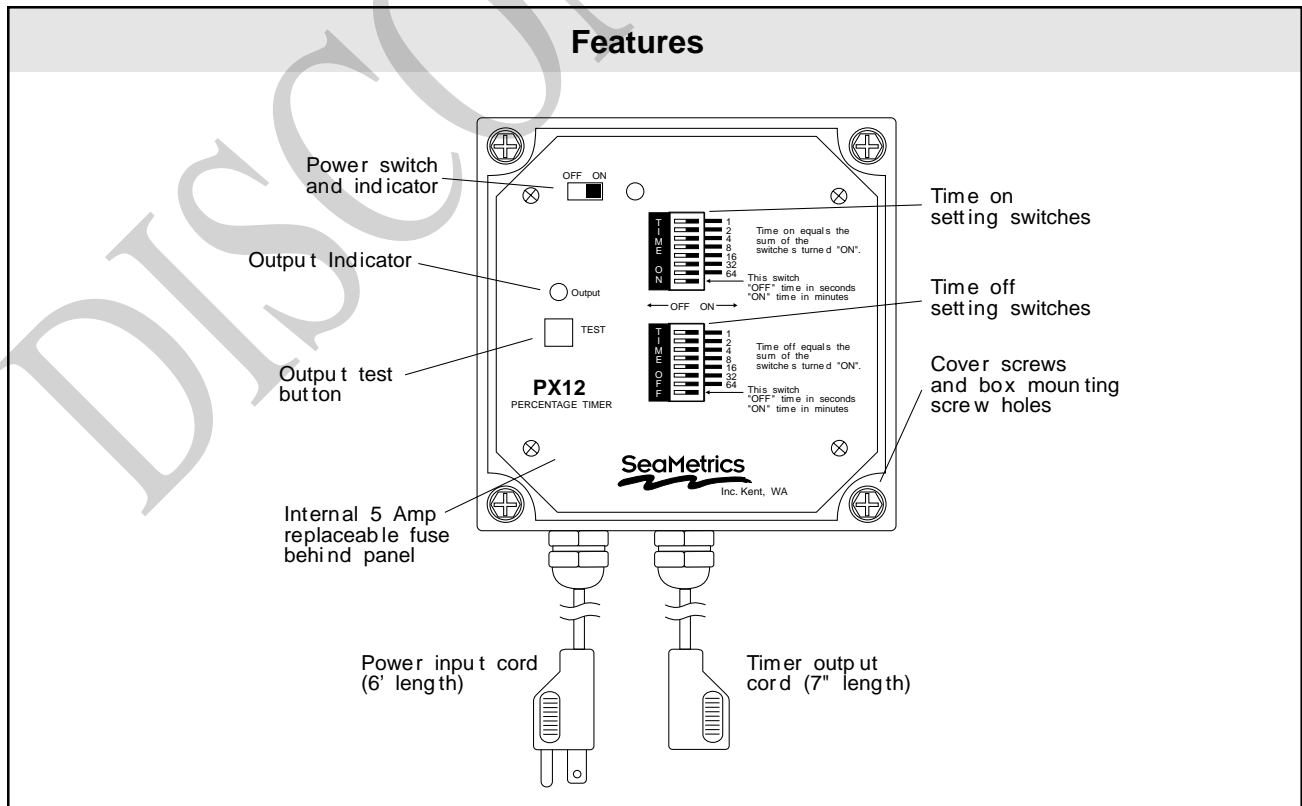
Installation

Mounting. To gain access to the mounting screw holes, remove the front clear cover. Mounting screw holes are at the four corners, under the cover screws. Mark centers of these holes, then drill. Finally, insert the screws through the corner holes and tighten.

Terminal Access. It is not normally necessary to access terminals, since all connections can be made externally. However, conduit connection requires the front plate to be removed to reach the terminals. See connections diagram.

Connect the load. On standard units, a short pigtail cord with receptacle is provided for connection of a 115 VAC load. The pigtail can be removed and the unit can be hard-wired if necessary. Remove the front panel and consult the Connections diagram for the proper terminals.

Connect Power. A power cord is provided for plugging in to any grounded outlet. See Connections diagram if conduit connection is necessary.



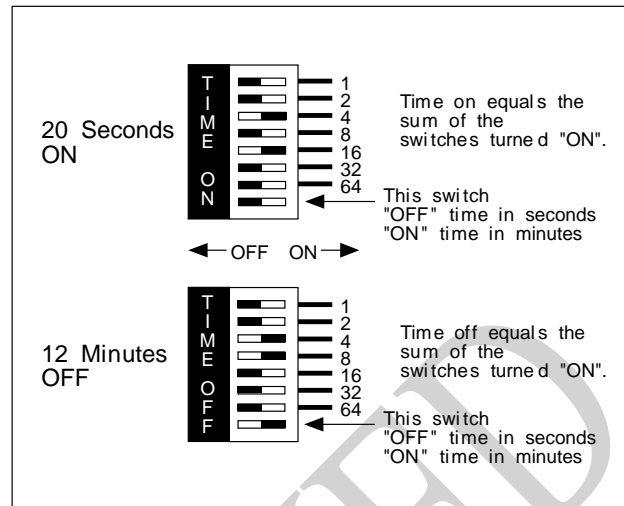
Setting

The DIP switches under the front clear cover are used to set on-time and off-time. As the front plate states, the setting is the sum of numbered switches turned on. Any number from one to 127 can be set. Either seconds or minutes can be selected as the units using the last switch.

The easiest way to set a number is to begin with the largest number which is less than the target, then add smaller numbers until the target is reached. See illustration at right.

On-Time Example: The desired on-time is 20 seconds. First turn on the 16 switch, followed by the 4 (16 + 4 = 20). Turn the last switch to the seconds position.

Off-Time example: The desired off-time is 12 minutes. First turn on the 8 switch, followed by the 4 (8 + 4 = 12). Place the last switch in the minutes position.



- Set a short on-time and off-time. Then press the TEST button. The OUTPUT indicator should light and stay on for the on-time setting, and then should go out for the off-time setting. It will then repeat this cycle indefinitely. Note that the output receptacle will power up during each on-time cycle, and turn off during each off-time.
- Return to operational settings.

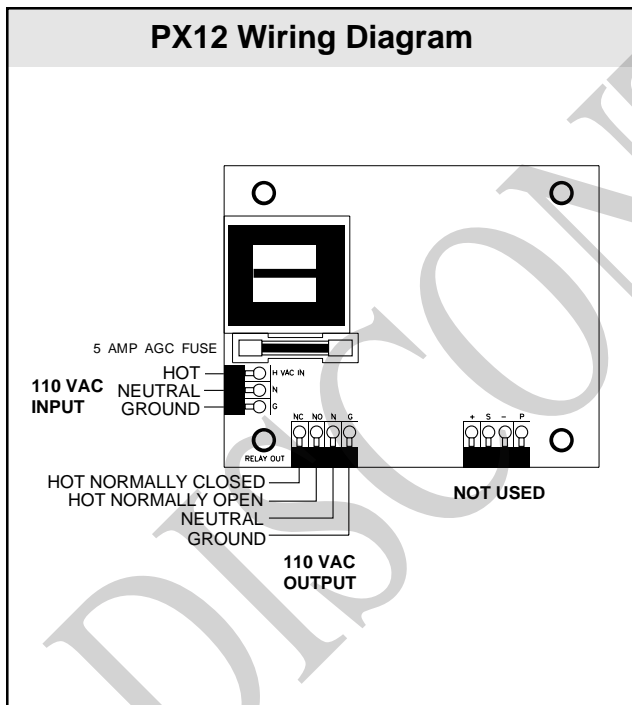
Changing Settings. When either time setting is changed, the new setting will not take effect until the ongoing cycle is completed, unless the TEST button is pressed. Pressing this button resets instantly to the new time setting.

Troubleshooting and Repair

If the unit fails to work properly, check first for power. If the power indicator fails to light when the power switch is on, either there is no power to the unit or the fuse has blown. Remove the front panel to change it. The fuse required is a 3AG-5A-SB.

An incorrect setting is the other common problem. Check to see if the switches turned ON add up to the desired number, or if minutes might be selected instead of seconds.

Any repair of circuit boards must be done at the factory. Please obtain a returned material authorization (RMA) number from the factory or from your distributor before returning your unit.



Operation

Test for Proper Operation. Follow these steps:

- Turn the power switch to ON. The power indicator should light.

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